

by a cable and connector for electrically connecting the operating devices to the electronic modules (10, 11, 12, 13), a plurality of connector parts (20, 21, 22) being provided with contact elements (50) which are disposed separately on the assembly side (4) of the component board (3), and each electronic module is assigned at least one connector part, which is disposed on the component board in a vicinity of each respective electronic module and is electrically connected to its respective electronic module via line connections (41) mounted on the component board (3).

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14. (Amended) The electronic control unit of one of claim 11, in which further line connections (42, 43) are provided on the component board, which without an interposition of electrical or electronic components electrically connect at least one contact element (50) of one of said plurality of connector parts (20, 21, 22) to another contact element (50) of the same connector part, or to a contact element (50) of a different one of said plurality of connector parts (20, 21, 22).

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15. (Amended) The electronic control unit of one of claim 12, in which further line connections (42, 43) are provided on the component board, which without an interposition of electrical or electronic components electrically connect at least one contact element (50) of one of said plurality of connector parts (20, 21, 22) to another contact element (50) of the same connector part, or to a contact element (50) of a different one of said plurality of connector parts (20, 21, 22).

16. (Amended) The electronic control unit of one of claim 13, in which further line connections (42, 43) are provided on the component board, which without an interposition of electrical or electronic components electrically connect at least one

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D² contact element (50) of one of said plurality of connector parts (20, 21, 22) to another contact element (50) of the same connector part, or to a contact element (50) of a different one of said plurality of connector parts (20, 21, 22).

D³ 18. (Amended) The electronic control unit of claim 11, in which a common power supply unit (33) for all the electronic modules (10, 11, 12, 13) is disposed on the component board (3) and is electrically conductively connected to the electronic modules (10, 11, 12, 13) and/or connector parts (20, 21, 22) via line connections of the component board.

19. (Amended) The electronic control unit of claim 11, in which a common signal processing device (32) for all the electronic modules (10, 11, 12, 13) is disposed on the component board (3) and is electrically conductively connected to the electronic modules (10, 11, 12, 13) and/or connector parts (20, 21, 22) via line connections (45) of the component board.

20. (Amended) The electronic control unit of claim 11, wherein relatively large passive components (34) are mounted directly on the assembly side (4) of the component board (3) and are electrically conductively connected to the electronic modules (10, 11, 12, 13) via line connections (46) of the component board.

21. (Amended) The electronic control unit of claim 11, wherein the electrical control circuit of an electronic module (10, 11, 12, 13) includes at least one microprocessor (61) for each separate electronic module.

22. (Twice Amended) The electronic control unit of claim 11, wherein the control unit has a housing part (2), and the component board (3) is mounted onto a surface of said housing part (2) of the control unit with the assembly side (14) of the component board mounted facing away from said surfaces of the housing part.

23. (Twice Amended) The electronic control unit of claim 12, wherein the control unit has a housing part (2), and the component board (3) is mounted onto a surface of said housing part (2) of the control unit with the assembly side (14) of the component board mounted facing away from said surfaces of the housing part.

24. (Twice Amended) The electronic control unit of claim 13, wherein the control unit has a housing part (2), and the component board (3) is mounted onto a surface of said housing part (2) of the control unit with the assembly side (14) of the component board mounted facing away from said surfaces of the housing part.

25. (Amended) An electronic control unit, comprising a component board (3) on an assembly side (4) of which a plurality of electronic modules (10, 11, 12, 13), are provided with a separate electrical control circuit, an electrical control circuit of an electronic module generates at least one control function for controlling respective operating devices which are not disposed on the component board, for electrically connecting the operating devices to the electronic modules (10, 11, 12, 13), a plurality of connector parts (20, 21, 22) are provided with contact elements (50) which are disposed separately on the assembly side (4) of the component board (3), and each electronic module is assigned at least one connector part, which is disposed on the component board in a vicinity of each respective electronic module and is electrically

conductively connected to each respective electronic module via line connections (41) mounted on the component board (3), in which the connector parts (20, 21, 22) are embodied for receiving a counterpart connector, connected to the connecting lines of the operating devices, which counterpart connectors can be plugged into the connector parts (20, 21, 22) on the assembly side (4) of the component board (3).

Please add new claim 26 as follows:

26. The electronic control unit of claim 25, wherein the counterpart connectors can be plugged into the connector parts (20, 21, 22) perpendicular to the assembly side (4) of the component board (3).